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EXAMINER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

PTOL-90A (Rev. 04/07)

	Application No.	Applicant(s)	
Office Action Summary	10/079,603	KIWADA ET AL.	
	Examiner	Art Unit	
	ADNAN M. MIRZA	2445	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on *16 December 2008*.

2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) *1-32,34,36,38,40 and 41* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) *1-32, 34, 36, 38, 40-41* is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some * c) ☐ None of:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____.

      3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
> section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are
> such that the subject matter as a whole would have been obvious at the time the invention was made to a person
> having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the
> manner in which the invention was made.

Claims 1-32, 34, 36, 38, 40-41 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Gore, Jr et al (5,826,029) and Lazaridis (U.S, 7,000,001).

As per claims 1,13,17,22,28,36 Gore disclosed an image processing method for printing images

on an image printing device based on a file stored in an image printing data transmission device

using a portable terminal, said image printing data transmission device connected. to a first

internal network provided behind a first firewall, said image printing device connected to a

second internal network provided behind a second firewall, ,and a file server connected to an

external network provided outside of said first firewall and said second firewall, comprising: said

portable terminal establishing a connection with said image data transmission device via said

second internal network, said second firewall, said external network, said first firewall and said

first internal network wherein establishing the connection comprises using a protocol (col. 1,

lines 53-67 & col. 2, lines 1-8); wherein said image printing request identifies said stored file,

said image data transmission device receiving said image printing request and preparing a print

job to print images associated with said stored file in response to said image printing request; said image printing data transmission device establishing a connection with said file server via said first internal network, said first firewall (col. 4, lines 27-41), and said external network using a protocol, which allows only uni-directional connections from the internal network to the external network at said first firewall (col. 5, lines 42-66); which allows a first bi-directional connection between the first internal and the external network and a second bi-directional connection between the second internal network and the external network; said portable terminal transmitting an image printing request for said file stored in said image printing data transmission device to said image printing data transmission device (col. 4, lines 26-41).

However Gore Jr did not disclose in detail, said image data transmission device uploading said prepared print job to said file server; said image printing device establishing a connection with said file server via said second internal network, said second firewall, and said external network using a protocol, which allows only unidirectional connections from the second internal network to the external network at said second firewall: said image printing device downloading said print job from said file server; and said image printing device printing images based on said downloaded printing job data.

In the same field of endeavor Lazaridis disclosed, "The web page may include, for example, the owner, physical address and IP address of the printer as well as a printer driver for communication with the printer. Once the printer information has been obtained, the wireless device may, for example, transmit data to the printer over the network using the IP address. In an

alternative embodiment, the bookmark data packet may contain the printer information, enabling

the wireless device to communicate directly with the printer without first accessing a web page

(col. 5, lines 14-23). One ordinary skill in the art at the time of the invention knows that the

printer communicate through serial port and they are unidirectional and the information is output

one way and get printed. The other example can be facsimile over the network.

It would have been obvious to one having ordinary skill in the art at the time of the invention

was made to have incorporate, "The web page may include, for example, the owner, physical

address and IP address of the printer as well as a printer driver for communication with the

printer. Once the printer information has been obtained, the wireless device may, for example,

transmit data to the printer over the network using the IP address. In an alternative embodiment,

the bookmark data packet may contain the printer information, enabling the wireless device to

communicate directly with the printer without first accessing a web page" as taught by Lazaridis

in the method of Gore Jr to provide data secure environment for business to business computing.

4.   As per claims 2,8 Gore, Jr- Lazaridis disclosed comprising said image data transmission

device transmitting a storage location data indicating where said uploaded print job is stored on

said file server to said portable terminal; said portable terminal receiving said storage location

data which said image data transmission device transmitted (Lazaridis, col. 6, lines 8-16); said

portable terminal displaying said received storage location data; and said image printing device

receiving an entry of said storage location data; wherein said image printing device downloads

said print from the storage location on said file server based on said storage location data

(Lazaridis, col. 5, lines 8-23).

5.   As per claims 3,9,33,35,37,39 Gore, Jr- Lazaridis disclosed comprising said image data

transmission device transmitting a storage location data indicating where said print job is stored

on said file server to said portable terminal; said portable terminal receiving said storage location

data which said image printing data transmission device transmitted (Gore Jr, col. 2, lines 50-

60); said portable terminal displays said storage location data; said image printing device

receives an entry of said storage location data; wherein said image printing device downloads

said print job from the storage location on said file server based on said storage location data

(Lazaridis, col. 5, lines 8-23).

6.   As per claims 4,10,18,23,26,29 Gore, Jr- Lazaridis disclosed further comprising said file

server transmitting a storage location data indicating where said print job uploaded by said image

printing data transmission device is stored on said file server to said portable terminal; said

portable terminal receiving said storage location data which said file server transmitted

(Lazaridis, col. 2, lines 11-27); said portable terminal displays said storage location data; and

image printing device receiving an entry of said storage location data; wherein said image

printing device downloads said print job from the storage location on said file server based on

said storage location data (Gore Jr, col. 2, lines 50-60).

7.   As per claims 5,11,19,30 Gore, Jr- Lazaridis disclosed further comprising wherein said

file server transmitting a storage location data indicating where said print job uploaded by said

image data transmission device is stored on said file server to said portable 10 terminal; portable

terminal receiving said storage location data which said file server transmitted (Gore Jr, col. 2,

lines 50-60); said portable terminal transferring, said storage location data to said image printing

device via said second internal network or a local communication circuit; said image printing

device receiving said storage location data transferred by said portable terminal; wherein said

image printing device loads said print job from the storage location on said file server based on

said storage location data (Lazaridis, col. 2, lines 10-27).

8.   As per claims 6,12,14,16,20,24,27,31 Gore, Jr- Lazaridis disclosed wherein said image

printing device is a printer (Lazaridis, col. 2, lines 10-27).

9.   As per claims 7,15,21,25,32,34,38 Gore, Jr- Lazaridis disclosed an image processing

method for printing an image on an image printing device based on a file stored in an image

printing data transmission device using a portable terminal, said image printing data transmission

device connected to a first internal network constructed inside a first firewall, said image printing

device connected to a second internal network constructed inside a second firewall, and a file

server connected to an external network constructed on the outside of said first firewall and said

second firewall, comprising: said portable terminal establishing a connection with said image

printing data transmission device via a public network, a public network authenticating server

connected to said first internal network, and said first internal network; said portable terminal

transmitting an print job for said file stored in: said image printing data transmission device to

said image printing data transmission device (Gore Jr, col. 1, lines 53-67 & col. 2, lines 1-8);

image printing data transmission device receives said image printing request transmitted by said

portable terminal and prepares an image printing data for said file according to said image

printing request; said image printing data transmission device establishing a connection with said

file server via said first internal network, said first firewall, and said external network using a

protocol, which is allows connections only from the first internal network to the external network

at said first firewall (Gore, Jr, col. 4, lines 27-41); said image printing data transmission device

uploads said prepared print job to said file server; said image printing device establishing a

connection with said file server via said second internal network, said second firewall, and said

external network using a protocol, which allows connections only from the internal network to

the external network at said second firewall; said image printing device downloading said print

job from said file server; and said image printing device printing said image based on said

downloaded print job (Lazaridis, col. 5, lines 8-23).

Response to Arguments

10.   Applicant's arguments with respect to claims 1-32, 34, 36, 38, 40-41 have been

considered but are moot in view of the new ground(s) of rejection.

Conclusion

11.   Any inquiry concerning this communication or earlier communication from the examiner

should be directed to Adnan Mirza whose telephone number is (571)-272-3885.

12.   The examiner can normally be reached on Monday to Friday during normal business

hours. If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Jason Cardone can be reached on (571)-272-3933. The fax for this group is (703)-

746-7239. The fax phone number for the organization where this application or proceeding is

assigned is 571-273-8300.

13.   Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for un published

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at (866)-217-9197 (toll-free).

/Adnan M Mirza/
Examiner, Art Unit 2445

/Larry D Donaghue/
Primary Examiner, Art Unit 2454